

1. A composition comprising a plurality of polynucleotides whose expression is modulated by cytokines, wherein the polynucleotides are SEQ ID NOs:1-516 or a complete complement of SEQ ID NOs:1-516.
  6. The composition of claim 1, wherein the polynucleotides are immobilized on a substrate.
  7. A method for detecting a polynucleotide in a sample, the method comprising:
    - a) hybridizing the composition of claim 1 with the sample, thereby forming at least one hybridization complex; and
    - b) detecting the hybridization complex, wherein the presence of the hybridization complex indicates the presence of the polynucleotide in the sample.
  8. A method of screening a library of molecules or compounds to identify a ligand, the method comprising:
    - a) combining the composition of claim 1 with a library of molecules or compounds under conditions to allow specific binding; and
    - b) detecting specific binding, thereby identifying a ligand.
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- B1 9. (Once Amended) The method of claim 8 wherein the library is selected from DNA molecules, RNA molecules, peptides, and proteins.
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- B2 18. (Twice Amended) A method of screening a sample from a patient for an immune response, immune disorder, immune condition, or immune disease, the method comprising:
  - a) contacting the sample with the composition of claim 1 immobilized on a substrate under conditions to allow formation of a hybridization complex;
  - b) quantifying complex formation; and

c) comparing complex formation with a standard, wherein a change in the amount of complex formation in the sample relative to the standard indicates the presence of the immune response, immune disorder, immune condition, or immune disease.

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19. The method of claim 18, wherein the immune disorder, condition, or disease is a pro-inflammatory disorder selected from viral infections, rheumatoid arthritis, insulin-dependent diabetes mellitus, multiple sclerosis, encephalomyelitis, inflammatory bowel disease, psoriasis, and pemphigus vulgaris.

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B3 20. (Twice Amended) The method of claim 18, wherein the immune disorder, condition, or disease is an anti-inflammatory disorder selected from bacterial and parasitic infections, chronic graft versus host disease, scleroderma, and systemic lupus erythematosus.

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